gotham | IVO™

IVO™ 6" Square Cylinders Wall Mount
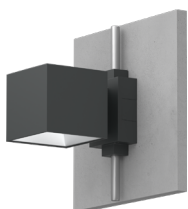
7-1/4" x 11-5/8"

MOUNTING STYLES AND TRIM COLORS

Wall Mount with Recessed J-box (JBX)
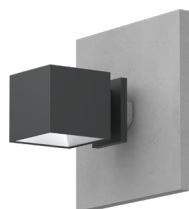
Wall Mount with Surface J-Box (JBX)

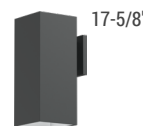**Conduit Cover Wall Mount with Surface J-Box (JBXCC)**
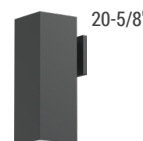
Cylinder Lengths
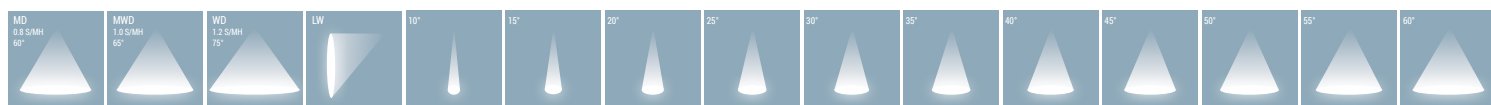
6-3/4"   11-5/8"   17-5/8"   20-5/8"

Feature Set

- Perfect Color™ consistency within 1/2-step MacAdam Ellipse
- 45° visual cut-off angle to source (65° cut-off for L7 length)
- Bounding Ray™ optical design ensures no source image up to cut-off angle, minimizing glare

- Available with 10%, 1%, or 0.1% dim to dark
- Downlight and Wall Wash trims are interchangeable
- 90% lumen maintenance at 55,000 hours
- Clean beams with soft transitions

- Batwing distributions with feathered edges to provide even illumination fixture-to-fixture
- Exceptional color with 80 CRI, 90 CRI, or 95 CRI min
- Field changeable optics available every 5°
- Wet Location optional, covered ceiling

QUICK SPECIFICATIONS

Distribution / Beam Angles

| MD 0.8 S/MH 60° | MWD 1.0 S/MH 65° | WD 1.2 S/MH 75° | LW | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° |

Superior Perfomance*

Nominal Lumens	05LM	07LM	10LM	15LM	20LM	25LM	30LM	35LM	40LM	45LM	50LM	60LM	70LM	80LM
Delivered Lumens	492	739	991	1483	1970	2370	2935	3467	3807	4237	4964	5941	6944	7647
Wattage	5.1	7.3	9.8	15.0	20.5	25.6	28.3	34.4	38.5	42.8	45.1	55.8	67.2	74.9
Lumens per Watt	96	101	101	99	96	92	104	101	99	99	110	106	103	102

*Based on Downlight performance: 3500K 80CRI MD P AR LSS, for L9, L14, and L16. See Photometry section for Wall Wash performance. See IES files available online for L5 performance.

PRODUCT FAMILY

IVO 6" Square Product Family

Downlight   Lensed WW   Surface Cylinder   Pendant Cylinder   Wall Cylinder   Wall Adjustable Cylinder

WET LOCATION™   CA CAPABLE   LOW UGR   nLight

Luminaire Type: _____

Catalog Number: _____

ORDERING INFORMATION

EXAMPLE: IVO6SQCYL WC D 20LM 35K 80CRI MWD MIN10 MVOLT EZT L7 JBX DN P AR LD DWH

Series	Cylinder Style	Function	Lumen Packages	Kelvin Temperature	Color Rendering Index	Distribution[5]
IVO6SQCYL IVO 6" Square Cylinder	WC Wall Mount Cylinder	D Downlight WW Wall Wash	05LM[1,2] 500 Lumens 07LM 750 Lumens 10LM 1000 Lumens 15LM 1500 Lumens 20LM 2000 Lumens 25LM 2500 Lumens 30LM 3000 Lumens 35LM 3500 Lumens 40LM 4000 Lumens 45LM 4500 Lumens 50LM 5000 Lumens 60LM[3] 6000 Lumens 70LM[2,3] 7000 Lumens 80LM[1,2] 8000 Lumens	27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	80CRI 80+ CRI 90CRI[4] 90+ CRI, R9 50+ 95CRI[4] 95+ CRI, R9 80+	Narrow / Flood[6] 10D 10° 30D 30° 50D 50° 15D 15° 35D 35° 55D 55° 20D 20° 40D 40° 60D 60° 25D 25° 45D 45° General Illumination / Batwing MD Medium Batwing (0.8 s/mh, 60°) MWD Medium Batwing Wide (1.0 s/mh, 65°) WD Wide Batwing (1.2 s/mh, 75°)

Dimming Level	Voltage	Control Input	Cylinder Length	Mounting Style
MIN10 Min 10% Dim Level MIN1 Min 1% Dim Level DARK Min 0.1% Dim Level, Dim-to-Dark	MVOLT Multi-Volt Input, 120V-277V 120 120V Input 277 277V Input 347[7] 347V Input	ZT[8] Generic 0-10V ELV[9] Phase Dimming (Forward/Reverse) (120V only) EZT EldoLED 0-10V DALI[10] DALI-2 DMX[10] DMX NLIGHT[11] Wired controls by nLight NLTAIR2[11] Wireless controls by nLight NLIGHTER[11] Wired controls by nLight with UL924 listed emergency operation NLTAIREM2[11] Wireless controls by nLight with UL924 listed emergency operation	L7 6-3/4" Cylinder Body Length L12 11-5/8" Cylinder Body Length L18 17-5/8" Cylinder Body Length L21 20-5/8" Cylinder Body Length	JBX Integral driver, Recessed or Surface J-box JBXCC Integral driver, Surface J-box with conduit covers

Fixture Orientation	Fusing	Emergency Pack[12]	Wet/IP Listing
DN Downlight Position UP Uplight Position	(blank) No Options SF Single Fuse, specify 120V or 277V	(blank) No Emergency Pack E7WR 7W Emergency battery pack, Constant Power, Title 20 Compliant, User selectable Self-Diagnostic, AC Activate with Remote Test Switch (Sidecar) E10WR 10W Emergency battery pack, Constant Power, Title 20 Compliant, User selectable Self-Diagnostic, AC Activate with Remote Test Switch (Sidecar) E15WR 15W Emergency battery pack, Constant Power, Title 20 Compliant with Remote Test Switch (Sidecar)	(blank) Damp Location WL[13] Wet Location

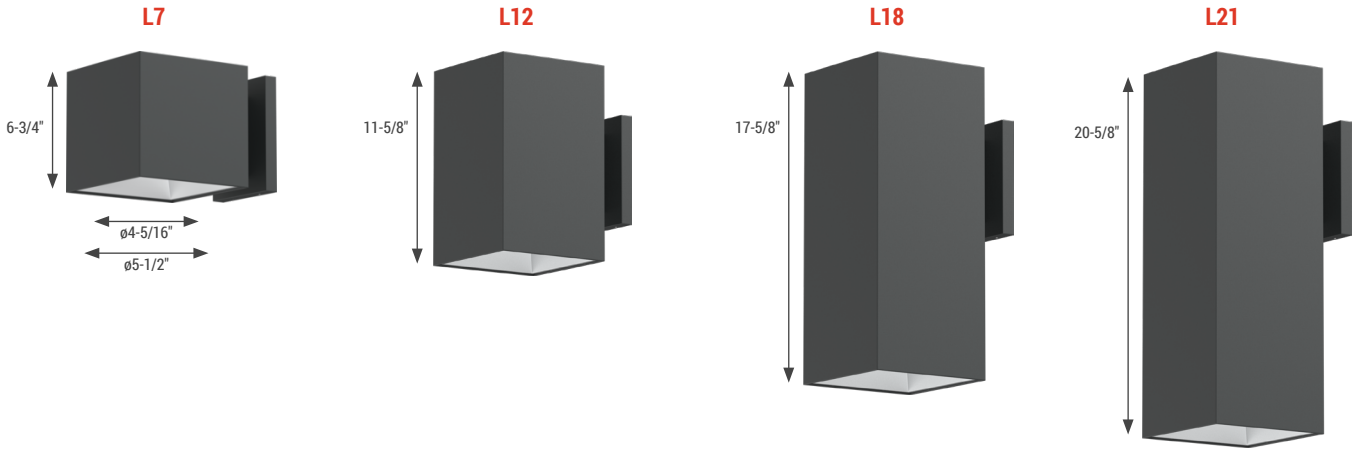| Trim Style	Trim Color	Trim Finish[15]	Cylinder Color	
P[5] Open Parabolic Reflector LW[14] Lensed Wall Wash	AR Clear Anodized BR Black Painted GR Gold Anodized PR Pewter Andozied WTR Wheat Anodized WRAMF[15] White with Anti-Microbial Painted WMR[15] Soft White Painted BZR[15] Dark Bronze Painted TRALTBD[16] RAL Paint TCPCTBD Custom Paint	LSS Semi Specular LD Matte Diffuse	DWH Gloss White DBL Matte Black DNA Gloss Natural Aluminum DWHAMF Gloss White Anti-Microbial DMB Matte Medium Bronze DDB Gloss Dark Bronze DSS Gloss Sandstone DGC Gloss Charcoal Grey DTG Gloss Tennis Green DBR Gloss Bright Red DSB Gloss Steel Blue	DDBT Textured Dark Bronze DBLB Textured Black DWHG Textured White DBNH Textured Bronze DNAT Textured Natural Aluminum DSST Textured Sandstone DSPD Textured Dark Grey DSPE Textured Green DSPH Textured Light Red RALTBD[16] Cylinder RAL Paint (TBD for pricing only) CPC Cylinder Custom Paint Color

ORDERING NOTES

1. 05LM or 80LM only available with ZT or ELV control input.
2. 05LM and 60LM not available with EZT or DALI on WW style fixtures for L7 cylinder length. 05LM, 70LM & 80LM not available with EZT or DALI for L12, L18 or L21 cylinder lengths.
3. 60LM & 70LM not available with L7 Cylinder Length.
4. 90CRI not available with 50K, 95CRI not available with 35K, 40K or 50K.
5. Not available with WW style function.
6. Not available with L7 cylinder length.
7. 347 only available with ZT control input. Min 07LM-40LM max. Not available with nLight, Emergency or SF options.
8. ZT not available with DARK
9. ELV only available with MIN1.
10. DALI and DMX only available with DARK.
11. nLight controls are provided with each fixture and can be remote mounted or mounted to the junction box. Wired NLIGHT and NLIGHTER controls include nPS 80 EZ dimming pack. Wireless NLTAIR2 and NLTAIREM2 controls include rPP20 power pack.
12. Not available with 05LM, 25LM or 30LM with EZT, DALI or DMX control input for L7 cylinder length. Not available with 05LM or 80LM with EZT or DALI control input for L12, L18 or L21 cylinder lengths.
13. WL only available with JBX. Max 30LM. Not available with DMX, UP or Emergency options. Not available with EZT or DALI in L7 cylinder length. Min 07LM-35LM Max with L12, L18 or L21 cylinder lengths.
14. LW not available with D style function.
15. Trim finishes are not available with WR, WRAMF, WMR, and BZR trim colors.
16. Replace TBD with applicable RAL number and finish when ready to order. See RAL BROCHURE for available color options.

ACCESSORIES — order as separate catalog numbers (shipped separately)	
GCOLORS KIT	Architectural colors chip kit, consisting of powder-coat and plated finishes
GOTHAM IVO REFLECTOR COLOR KIT	Trim colors & finishes sample kit for standard IVO anodized and painted trim color options.

LENGTH AND TRIM OPTIONS

Cylinder Length

- Dimensions in inches [centimeters]
- L7 length Cylinder has a 65° visual cut-off angle and trims and optics that are not interchangeable with the other Cylinder lengths

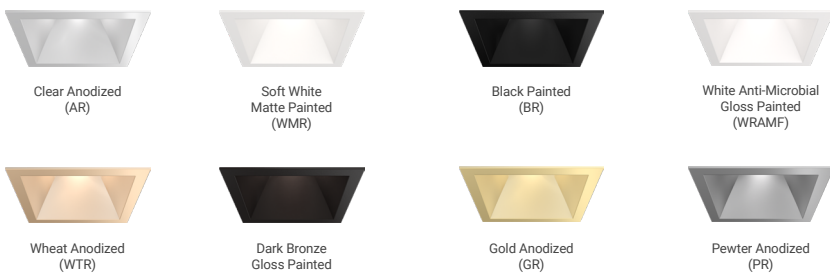| L7	L12	L18	L21

L7: 6-3/4" | ø4-5/16" | ø5-1/2"

L12: 11-5/8"

L18: 17-5/8"

L21: 20-5/8"

Trim Style

Parabolic
(P)

Lensed Wall Wash
(LW)

Optical Finish

Semi-Specular
(LSS)

Matte Diffuse
(LD)

Clear Anodized Parabolic shown

Trim Color

Clear Anodized
(AR)

Soft White
Matte Painted
(WMR)

Black Painted
(BR)

White Anti-Microbial
Gloss Painted
(WRAMF)

Wheat Anodized
(WTR)

Dark Bronze
Gloss Painted
(BZR)

Gold Anodized
(GR)

Pewter Anodized
(PR)

Parabolic shown

ARCHITECTURAL COLORS

Textured Colors

Textured White (DWHG)	Textured Black (DBLB)	Textured Aluminum (DNAT)	Textured Light Red (DSPH)	Textured Green (DSPE)
Textured Bronze (DBNH)	Textured Dark Bronze (DDBT)	Textured Dark Grey (DSPD)	Textured Sandstone (DSST)	

Gloss Colors

White Gloss (DWH)	Aluminum Gloss (DNA)	Bright Red Gloss (DBR)	Tennis Green Gloss (DTG)	Steel Blue Gloss (DSB)
Charcoal Grey Gloss (DGC)	Dark Bonze Gloss (DDB)	Sandstone Gloss (DSS)	AM White Gloss (DWH)	

Matte Colors

|	
Black Matte (DBL)	Medium Bronze Matte (DMB)

Note: These colors were carefully reproduced to give as true a depiction as possible of the finished product color. Some colors, however, may vary slightly from actual appearance due to display/printing variations and limitations. Please contact a Gotham representative for an Architectural Color Chip Kit (GCOLORS KIT), consisting of Powder-Coated and Plated Finishes.
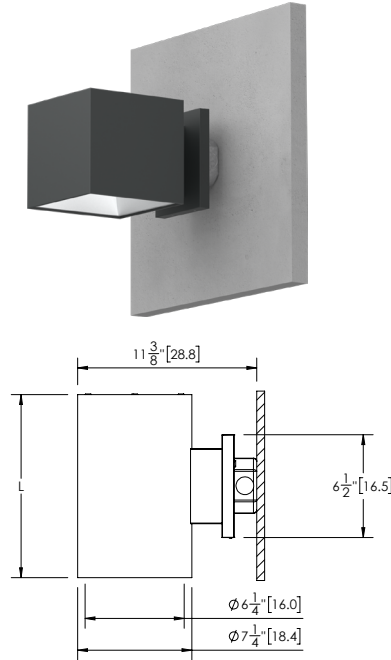
DIMENSIONAL DATA

Wall Mounting Options

- Dimensions in inches [centimeters]
- J-boxes available by others (see Compatibility Table).
- Fixture can be specified in Uplight or Downlight orientation

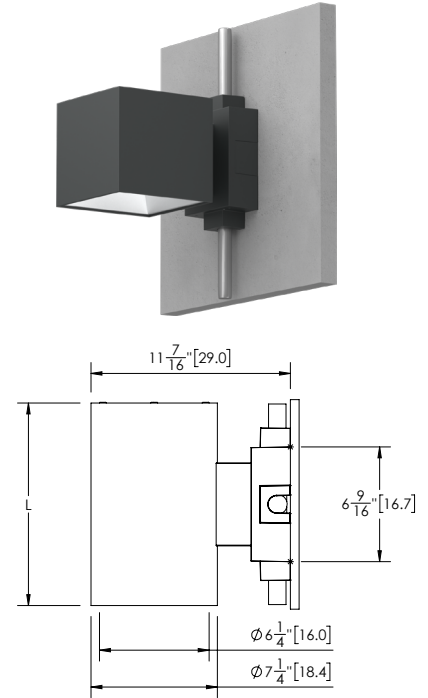| CYLINDER LENGTH (L)	DIMENSIONS INCHES (CM)
L7	6-3/4" (17.1)
L12	11-5/8" (29.5)
L18	17-5/8" (44.7)
L21	20-5/8" (52.3)

Wall Mount with Recessed J-Box (JBX)
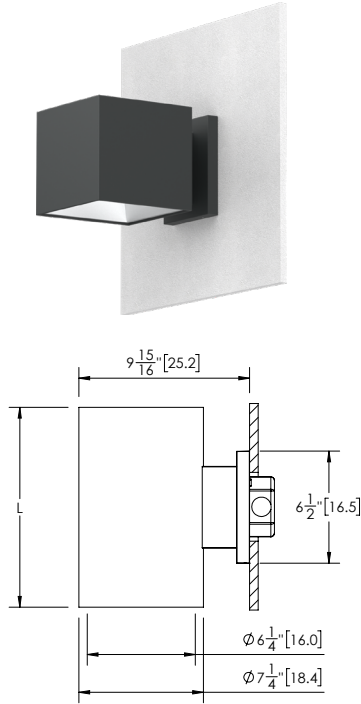
Wall Mount with Surface J-box (JBX)

Wall Mount Conduit Cover with Surface J-Box (JBXCC)

JUNCTION BOX AND CANOPY

Junction Box Details

- Dimensions in inches [centimeters]
- J-boxes available by others

4" Octagonal j-box, 1-½" deep
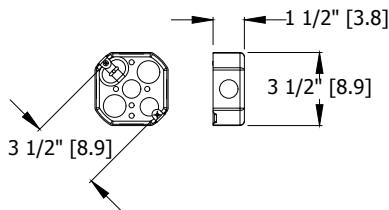
4" Octagonal j-box, 2-1/8" deep
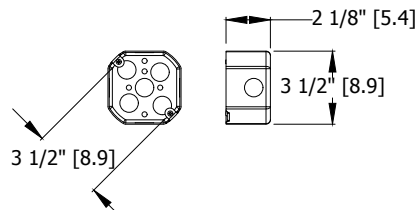
4" Square j-box, 1-½" deep

Mounting Compatibility Matrix		Cylinder Configurations	
		JBX	JBXCC
J-box (by others)	4" Octagonal 3.5x3.5x1.5 deep	✓	✓
	4" Octagonal 3.5x3.5x2.1 deep	✓	✗
	4" Square 4x4x1.5 deep	✓	✗

JUNCTION BOX AND CANOPY

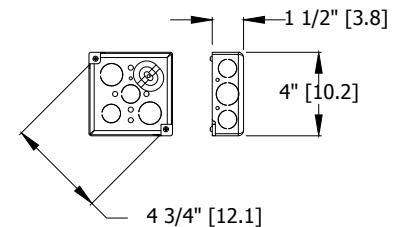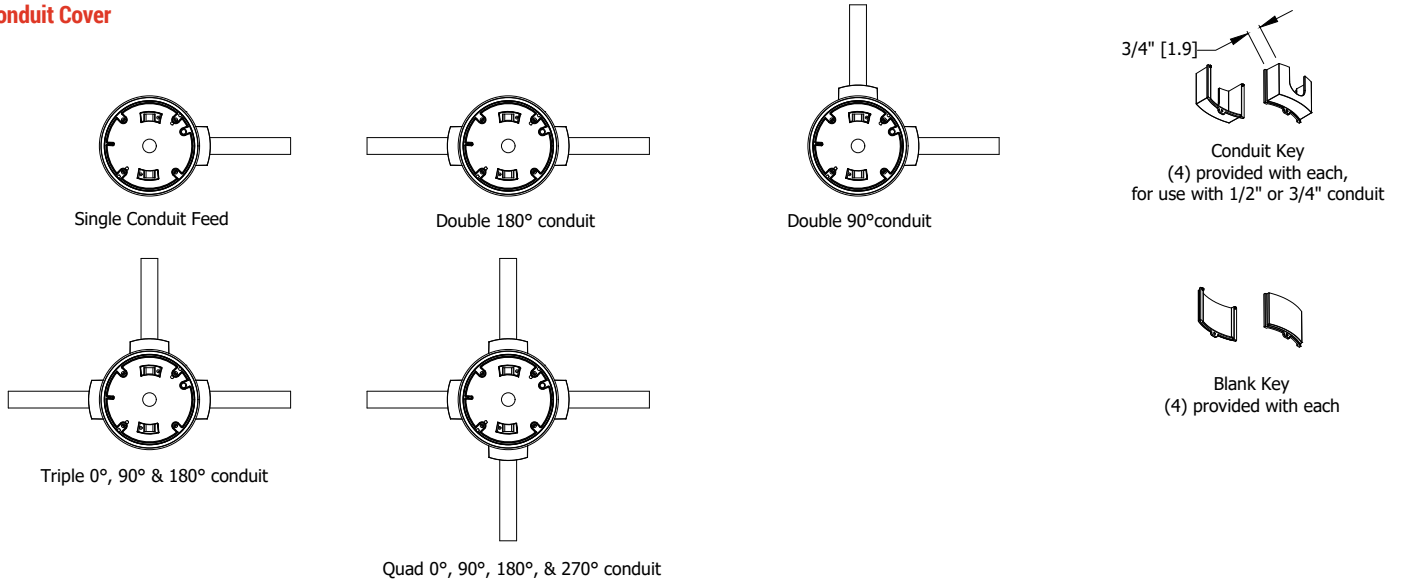## Conduit Covers and Emergency Battery Sidecar
- Dimensions in inches [centimeters]
- J-boxes available by others

Conduit Cover

Single Conduit Feed

Double 180° conduit

Double 90°conduit

3/4" [1.9]

Conduit Key
(4) provided with each,
for use with 1/2" or 3/4" conduit

Triple 0°, 90° & 180° conduit

Quad 0°, 90°, 180°, & 270° conduit

Blank Key
(4) provided with each

Emergency Battery Sidecar Enclosure

6 1/8" [15.6]

1 3/4" [4.4]

3/4" [1.9]

1 7/8" [4.7]

4" Octagonal junction box provided

2 3/16" [5.6]

Test Switch

Emergency Battery Sidecar

14" [35.] for E7WR & E10WR
16" [40.6] for E15WR

ø 5 3/16" [13.2]
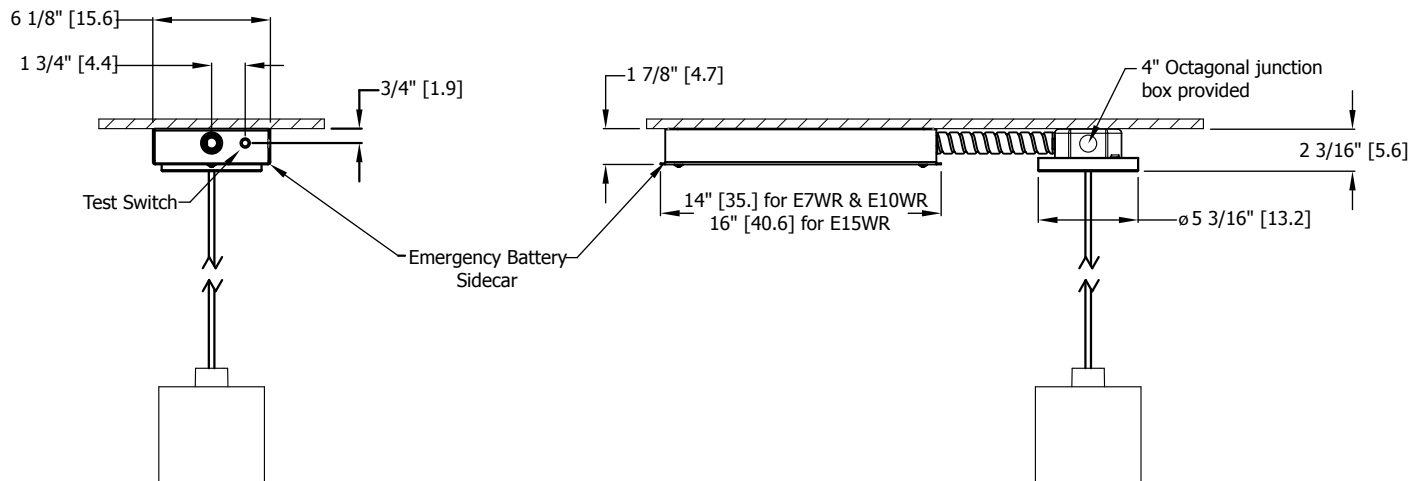
How to Estimate Delivered Lumens in Emergency Mode

Delivered Lumens = 1.25 x P x LPW

P = Output Power/Wattage of Emergency Battery Driver (E7WR* = 7W, E10WR* = 10W, E15WR* = 15W)

LPW = Lumen per Watt rating of luminaire based on Ordering Code selections

SPECIFICATIONS

Optical System
- Bounding Ray™ optical design delivers low brightness apertures for a comfortable lighting experience. Bounding Ray™ optical design ensures no source image up to cut-off angle, minimizing glare.
- 45° visual cut-off angle to source for L12, L18 and L21 lengths and 65° visual cut-off for L7 length per CIE 117-1995 Discomfort Glare in Interior Lighting (UGR FAQ)
- Top-Down Flash characteristics avoid flash on trim until source becomes visible.
- Batwing distributions with feathered edges to provide even illumination fixture-to-fixture. Available with 0.8, 1.0, and 1.2 spacing-to-mounting-height ratio (s/mh).
- Clean beams with soft transitions from narrow spot 10° up to wide flood 60° distributions and available every 5°.
- Optics are field changeable. However, L5 Cylinder Length optics are not interchangeable with other Cylinder Length optics.

LED Light Engine
- Perfect Color™ consistency within 1/2-step MacAdam Ellipse using proprietary pick and place algorithm.
- 90% lumen maintenance at 55,000 hours.
- Available in 80, 90, or 95 CRI. 90 CRI has R9 greater than 50, 95 CRI has R9 greater than 80.

Trims
- Trims are field changeable via twist-lock (tool-free). However L5 Cylinder Length trims are not interchangeable with other Cylinder Lengths.
- Trims are available in 9 colors and 3 surface finishes (standard)
- Custom RAL and Paint colors available upon request.

Electrical
- 120, 277, 347, or Multi-Volt (MVOLT) 120-277 VAC input at 50/60 Hz.
- Power Factor > 85%.
- Input wires 18 AWG, 600V minimum, solid copper.

EMI/RFI
- EMI/RFI per FCC Title 47 CFR, Part 15, Class A rated standard.
- EMI/RFI per FCC Title 47 CFR, Part 15, Class B rated for Phase Dimming driver (ELV) except when used with Emergency Battery (E7WR, E10WR, E15WR) or at 15LM and above.

Controls (Optional)
- Luminaire can be equipped with interface for nLight wired, allowing it to communicate over an nLight network. nLight wired options ship with an nPS 80 EZ power pack to be mounted to a plenum j-box through (via 1/2" knockout) and connected to the Fixture control wires. Couple with nLight-enabled sensors, power packs, or WallPods using CAT-5 cabling to create an nLight Control Zone. Link Control Zone to a Gateway directly or via a Bridge for remote status monitoring and control using SensorView software.
- Luminaire can be equipped with interface for nLight Air, allowing it to communicate over the wireless nLight control platform. nLight Air options ship with an rPP20 power pack to be mounted to a plenum j-box through (via 1/2" knockout) and connected to the Fixture control wires. Can be paired to other luminaires and wall switches through CLAIRITY+, a mobile app, which allows individual fixture control.

Dimming
- Luminaire Is capable of continuous dimming without perceivable flicker (stroboscopic) as measured by flicker index (ASNI/IES RP-16-10).
- Available dimming ranges include: 100%-10% (MIN10), 100%-1% (MIN1), and 100%-0.1% (DARK) of rated lumen output.
- Available with smooth shut off function from minimum dimming level to 0%.
- EldoLED drivers (EZT, DALI) conform to IEEE P1789 standards.
- Drivers are inaudible in 24dB environment and stable even when input voltage conditions experience typical commercial environment fluctuations.

Emergency Battery (Optional)
- Luminaires equipped with battery pack (E7WR, E10WR, E15WR) comply with NFPA 101 (Life Safety Code) and deliver constant light output for a duration of 90 minutes minimum with AC power loss.
- Emergency battery is mounted to ceiling via remote enclosure (sidecar).
- Emergency battery is CEC T20 compliant.

Installation
- Wall Mount can be oriented either Up or Down depending on ordering configuration
- Luminaire can be installed to 4" Octagonal j-box (1-1/2" or 2-1/8" deep depending on ordering configuration).
- Luminaire can be installed to 4" Square j-box (1-1/2" deep) when used with Cylinder Adaptor Plate (CYLBOXADPT SQ 4SQ2OCT).
- Optional, field configurable Conduit Covers are available and match Cylinder finish and size.

Construction
- Heavy-gauge extruded Aluminum construction.
- Reflector design allows air flow across heatsink to improve thermal management.
- Light Engine and Driver are field replaceable and serviceable from below the ceiling.

Listings
- Fixtures are CSA certified to meet US and Canadian standards.
- All fixtured are manufactured in strict accordance with the appropriate and current requirements of the "Standards for Safety" per UL.
- Damp Location standard.
- Wet Location available.

Photometrics
- All photometry is conducted by IESNA standard LM-79-08 in an accredited lab.
- LEDs are tested to LM-80 standards. Lumen maintenance is calculated via TM-21.

Warranty
- 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note:
- Actual performance may differ as a result of end-user environment and application.
- All values are design or typical values, measured under laboratory conditions at 25 °C.
- The product images shown are for illustration purposes only and may not be an exact representation of the product.

TABLES OF USE

Dimming Configurations

Dimming Level		Control Input	Dimming Level	Driver Dim Curve	Recommended Control Dim Curve
MIN10	+	ZT	100% to 10%	Linear	Linear/Logarithmic
	+	EZT	100% to 10%	Linear	Linear/Logarithmic
MIN1	+	ZT	100% to 1%	Linear	Linear/Logarithmic
	+	EZT	100% to 1%	Linear	Linear/Logarithmic
	+	ELV	100% to 1%*	n/a	n/a
DARK	+	EZT	100% to 0.1%	Logarithmic	Linear
	+	DMX	100% to 0.1%	Square	Linear
	+	DALI	100% to 0.1%	Logarithmic	Linear

* ELV Minimum Dimming level depends on dimmer and dimmer load

Night Configurations

Dimming Level		Control Input	Dimming Level	Control Provided	Driver Provided
MIN10	+	NLIGHT	100% to 10%	NPS 80 EZ	eldoLED 0-10V ECOdrive
	+	NLIGHTER	100% to 10%	NPS 80 EZ ER	eldoLED 0-10V ECOdrive
	+	NLTAIR2	100% to 10%	RPP20	eldoLED 0-10V ECOdrive
	+	NLTAIREM2	100% to 10%	RPP20 EM	eldoLED 0-10V ECOdrive
MIN1	+	NLIGHT	100% to 1%	NPS 80 EZ	eldoLED 0-10V ECOdrive
	+	NLIGHTER	100% to 1%	NPS 80 EZ ER	eldoLED 0-10V ECOdrive
	+	NLTAIR2	100% to 1%	RPP20	eldoLED 0-10V ECOdrive
	+	NLTAIREM2	100% to 1%	RPP20 EM	eldoLED 0-10V ECOdrive
DARK	+	NLIGHT	100% to 0.1%	NPS 80 EZ	eldoLED 0-10V SOLOdrive
	+	NLIGHTER	100% to 0.1%	NPS 80 EZ ER	eldoLED 0-10V SOLOdrive
	+	NLTAIR2	100% to 0.1%	RPP20	eldoLED 0-10V SOLOdrive
	+	NLTAIREM2	100% to 0.1%	RPP20 EM	eldoLED 0-10V SOLOdrive

◁A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provided consistent color appearance and out-of-the-box control capability with simple commissioning when used with Acuity Brands controls products.

All configurations of this luminaire are calibrated and tested meet the Acuity Brands' specification for chromatic consistency - including color rendering, color fidelity and color temperature tolerance around standard CIE chromaticity coordinates.

To learn more about A+, visit www.acuitybrands.com/aplus.

PHOTOMETRY

MD Medium Beam

IVO6SQCYL WC D 20LM 35K 80CRI MD L12/L18/L21 P AR LSS   Wattage: 20.5, Lumens: 1969.9, LPW: 96, S/MH: .75, Test No: 25-029-5P4266

Polar Candela Distribution
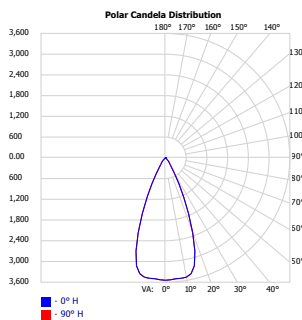
Candela Summary	
0°	3383
10°	3212
20°	2149
30°	558
40°	119
50°	16
60°	5
70°	2
80°	0
90°	0

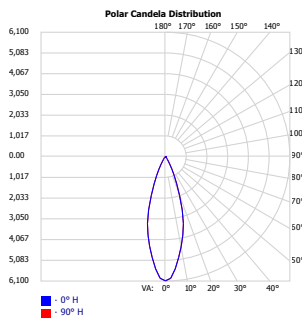| Zonal Lumen Summary		
Zone	Lumens	%
0-30	1696.7	86.1%
0-40	1906.2	96.8%
0-60	1965.8	99.8%
0-90	1969.9	100.0%

Cone of Light			
Mounting Height	Initial FC Center Beam	Beam Diameter (ft)	
		Horizontal	Vertical
8'	52.86	6.6	6.7
10'	33.83	8.2	8.4
12'	23.5	9.9	10.1
14'	17.26	11.5	11.7
16'	13.22	13.1	13.4

35 Degree Beam

IVO6SQCYL WC D 20LM 35K 80CRI 35D L12/L18/L21 P AR LSS   Wattage: 20.5, Lumens: 2034, LPW: 99, S/MH: 0.66, Test No: 25-029-17P4266

Polar Candela Distribution

Candela Summary	
0°	4404
10°	3931
20°	2136
30°	443
40°	85
50°	13
60°	4
70°	2
80°	0
90°	0

Zonal Lumen Summary		
Zone	Lumens	%
0-30	1817	89.3%
0-40	1987.4	97.7%
0-60	2030.1	99.8%
0-90	2034	100.0%

Cone of Light			
Mounting Height	Initial FC Center Beam	Beam Diameter (ft)	
		Horizontal	Vertical
8'	68.81	5.6	5.7
10'	44.04	7	7.2
12'	30.58	8.4	8.6
14'	22.47	9.8	10
16'	17.2	11.2	11.5

50 Degree Beam

IVO6SQCYL WC D 20LM 35K 80CRI 50D L12/L18/L21 P AR LSS   Wattage: 20.5, Lumens: 1858.8, LPW: 91, S/MH: .81, Test No: 25-029-11P4266

Polar Candela Distribution
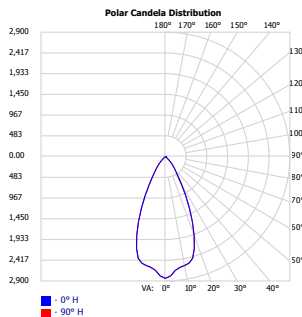
Candela Summary	
0°	2591
10°	2454
20°	1843
30°	740
40°	194
50°	20
60°	5
70°	2
80°	1
90°	0

Zonal Lumen Summary		
Zone	Lumens	%
0-30	1464	78.8%
0-40	1762.6	94.8%
0-60	1854.2	99.7%
0-90	1858.8	100.0%

Cone of Light			
Mounting Height	Initial FC Center Beam	Beam Diameter (ft)	
		Horizontal	Vertical
8'	40.49	7.4	7.5
10'	25.91	9.2	9.4
12'	17.99	11.1	11.2
14'	13.22	12.9	13.1
16'	10.12	14.8	15

CRI/CCT Multiplier Table		
CRI	CCT	Multiplier
80	2700K	0.92
	3000K	0.96
	3500K	1.00
	4000K	1.01
	5000K	1.04
90	2700K	0.80
	3000K	0.85
	3500K	0.85
	4000K	0.89
95	2700K	0.68
	3000K	0.75

Reflector Finish Multiplier		
Trim Color	Optical Finish	Multiplier
AR	LSS	1.00
AR	LS	1.06
AR	LD	0.97
GR	LSS	0.97
GR	LS	0.98
GR	LD	0.92
PR	LSS	0.97
PR	LS	0.97
PR	LD	0.90
BR	LSS	0.68
BR	LS	0.68
BR	LD	0.68
WTR	LSS	0.87
WTR	LS	0.89
WTR	LD	0.87
WR		1.03
WMR		1.03
WRAMF		1.04
BZR		0.68

UGR (70% 50% 20% reflectance using a 4H x 8H room size)						
Lumen Package	Crosswise			Endwise		
	MD	MWD	WD	MD	MWD	WD
05LM	1.3	0	0	1.4	0	0
07LM	2.7	0.6	0.4	2.8	0.8	0.7
10LM	3.5	1.4	1.2	3.6	1.7	1.5
15LM	4.8	2.7	2.5	4.9	3	2.8
20LM	5.8	3.7	3.5	5.9	3.9	3.8
25LM	6.6	4.5	4.3	6.7	4.7	4.6
30LM	7.3	5.1	5	7.4	5.4	5.2
35LM	7.6	5.5	5.4	7.7	5.8	5.6
40LM	8.1	6	5.8	8.2	6.2	6.1
45LM	8.5	6.4	6.2	8.6	6.6	6.5
50LM	8.9	6.7	6.6	9	7	6.9

Superior Perfomance*

Nominal Lumens	05LM	07LM	10LM	15LM	20LM	25LM	30LM	35LM	40LM	45LM	50LM	60LM	70LM	80LM
Delivered Lumens	380	572	766	1147	1523	1833	2270	2681	2944	3277	3839	4594	5369	5913
Wattage	5.1	7.3	9.8	15.0	20.5	25.6	29.7	36.1	40.5	44.9	47.4	58.6	70.5	78.7
Lumens per Watt	74	78	78	77	74	71	76	74	73	73	81	78	76	75

*Based on Lensed Wall Wash performance: 3500K 80CRI MD P AR LSS, for L12, L18, and L20. See IES files available online for L7 performance.

PHOTOMETRY

LW Lensed Wall Wash

IVO6SQCYL WC WW 20LM 35K 80CRI L12/L18/L21 LW AR LSS   **Wattage: 20.5, Lumens: 1523.3, LPW: 74, S/MH: 1.61, Test No: 24-834-1P929**

Polar Candela Distribution

- Max Cd: 22.5° H
- 0° H
- 90° H
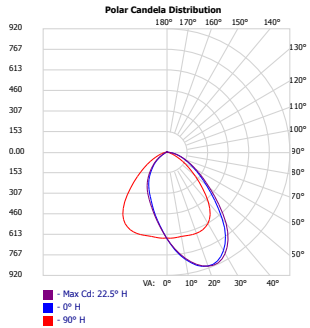
Candela Summary	
0°	641
10°	813
20°	904
30°	849
40°	644
50°	394
60°	232
70°	129
80°	54
90°	0

Zonal Lumen Summary		
Zone	Lumens	%
0-30	534.7	35.1%
0-40	880.1	57.8%
0-60	1375.6	90.3%
0-90	1523.3	100.0%

Cone of Light			
Mounting Height	Initial FC Center Beam	Beam Diameter (ft)	
		Horizontal	Vertical
8'	10.01	16.5	9.1
10'	6.41	20.6	11.4
12'	4.45	24.8	13.7
14'	3.27	28.9	16
16'	2.5	33	18.3

CRI/CCT Multiplier Table		
CRI	CCT	Multiplier
80	2700K	0.92
	3000K	0.96
	3500K	1.00
	4000K	1.01
	5000K	1.04
90	2700K	0.80
	3000K	0.85
	3500K	0.85
	4000K	0.89
95	2700K	0.68
	3000K	0.75

| Reflector Finish Multiplier		
Trim Color	Optical Finish	Multiplier
AR	LSS	1.00
AR	LS	1.03
AR	LD	0.98
GR	LSS	1.01
GR	LS	0.99
GR	LD	0.99
PR	LSS	0.96
PR	LS	0.96
PR	LD	0.93
WTR	LSS	0.95
WTR	LS	0.95
WTR	LD	0.92
WR		1.03
BZR		0.81
BR		0.80

nLIGHT

Single Lighting Controls Platform for Indoor & Outdoor Spaces

nLight® is your networked lighting controls platform, for indoor and outdoor applications, providing wired or wireless options. Scaling from room to campus-wide applications, it is the one platform that grows with your business today and tomorrow; to seamlessly address energy cost optimization, building code compliance, improved occupant comfort, and much more. nLight also interfaces with DALI®, BACnet®, DMX and additional third-party devices.

nLightcontrols.com

Wired Controls

nPS 80 EZ   nPS 80 EZ   nPS 80 EZ

CAT-5e

IVO Series

nLight nPODMA DX
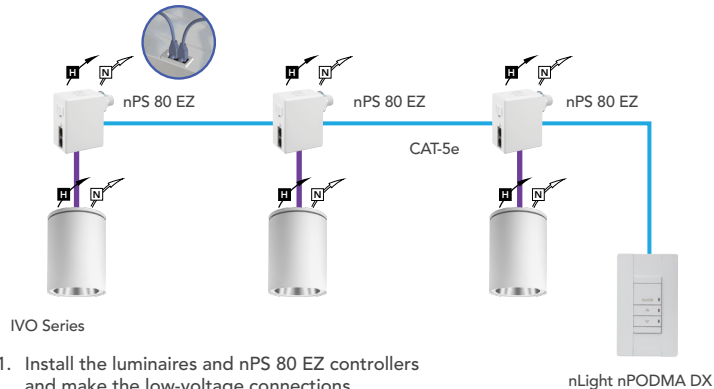
1. Install the luminaires and nPS 80 EZ controllers and make the low-voltage connections

2. Install the nLight Wired wall switch

3. Connect the nLight devices using standard CAT-5e cables and the controls devices will automatically discover each other and work (plug and play)

Wireless Controls

rPP20   rPP20   rPP20

IVO Series

nLight rPODBA DX   Mobile Device

1. Install the luminaires and rPP20 power/relay packs

2. Install the nLight AIR battery-powered wall switch

3. Use CLAIRITY™+ mobile app to pair the luminaires with the wall switch and if desired, customize the device settings

UL924 Sequence of Operation

The below information applies to all nLight AIR devices with an EM option.

• EM devices will remain at their high-end trim and ignore wireless lighting control commands, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds.

• Using the CLAIRITY+ mobile app, EM devices must be associated with a group that includes a normal power sensing device to receive NPS broadcasts.

• Only non-emergency rPP20, rLSXR, rSBOR, rSDGR, and nLight AIR luminaires with version 3.4 or later firmware can provide normal power sensing for EM devices. See specification sheets for control devices and luminaires for more information on options that support normal power sensing.